

CLAIMS

1. A system for remotely producing a response on a computer using acoustic signaling, comprising;

(a) at least one device adapted for producing at least one acoustic tone, and;

(b) a computer for receiving said acoustic tone and for producing a response in accordance with said tone, said computer including a microphone, a sound card, and specialized software, wherein the software contains instructions specifically associated with said device and wherein said software is adapted for checking characteristics of the acoustic tone including the frequency, amplitude, and time frame of the acoustic tone and for comparing said characteristics with predetermined expected characteristics such that when the received characteristics match a combination of predetermined expected characteristics, a specific response is produced.

2. A system according to claim 1, wherein the computer is adapted for receiving and checking incoming acoustic tones while the sound card and microphone are being used for other computer applications.

3. A system according to claim 1, wherein the software allows for a predetermined tolerance level when checking any one of the frequency, amplitude, or time frame of an incoming signal.

4. A system according to claim 1, wherein the specific response is selected from at least one of: opening a web browser to a particular web site, and opening a computer application that is associated with said device.

5. A system according to claim 1, wherein the characteristics checked by the specialized software further include at least one of the date that the acoustic signal was received, the time the acoustic signal was received, and the time elapsed since the last time an identical acoustic signal was received.

6. A system according to claim 5, wherein the specific response changes according to at least one of the date that the acoustic signal was received, the time the acoustic signal was received, the time elapsed since the last time an identical acoustic signal was received.

7. A system according to claim 1, wherein the specific response is different according to individual pre-selected preferences of the user.

8. A system according to claim 1, wherein the device adapted for producing an acoustic signal is selected from the group consisting of a mobile phone, a toy, a mouse pad, a watch, a game card, a piano, a keychain, a doorbell, and a credit card.

9. A system according to claim 1, wherein the frequency of the acoustic tone is between 600Hz- 22,000Hz.

10. A system according to claim 9, wherein the tones are DTMF tones, simultaneous triple tones, or simultaneous multi tones having a frequency between 600-1,700Hz.

11. A system according to claim 9, wherein the tones are nonsimultaneous double tones, nonsimultaneous triple tones, or nonsimultaneous multi-tones having a frequency between 600-6,000Hz.

12. A system according to claim 9, wherein the tones are nonsimultaneous double tones, nonsimultaneous triple tones and nonsimultaneous multi-tones having a frequency between 4,000-22,000Hz.

13. A system according to claim 1, wherein the acoustic tone is between 0.05-1 second in time duration.

14. A system according to claim 1, wherein said at least one acoustic tone comprises two acoustic tones and said time frame includes the time delay in between said two acoustic tones.

15. A system according to claim 14, wherein the time delay between said two acoustic tones is between 0.05-1 second.

16. A system according to claim 14, wherein the time frame between the tones is between 1/22 second and $\frac{1}{4}$ fraction of a second.

17. A system according to claim 1, wherein said at least one acoustic tone comprises a combination of acoustic tones received one after the next.

18. A system according to claim 1, wherein the specialized software is programmable by the user.

19. A system according to claim 1, wherein the specialized software is programmable by the distributor of device.

20. A method for remotely producing a response on a computer using acoustic signaling, comprising;

(a) producing, using a device, at least one acoustic tone;

- (b) receiving, by a computer, said at least one acoustic tone;
- (c) checking characteristics of said at least one acoustic tone including the frequency, amplitude, and time frame of the acoustic tone, and;
- (d) comparing said characteristics with predetermined expected characteristics;
- (e) producing a response when said received characteristics match a combination of predetermined expected characteristics.

21. A method according to claim 20, wherein said time frame includes the buffer length of the tone.

22. A method according to claim 20, wherein said checking includes comparing the amplitude of the acoustic tone with the average amplitude of neighboring tones to determine acceptability of the tone.